

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

July 27, 2000

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
1290.1019-012APPLICATION NO.
Divisional of
09/249,011 filed
February 12, 1999APPLICANT
Man Sung Co, et al. 09/627896FILING DATE
July 27, 2000GROUP
1644

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
NY	AA	5,562,903	10/08/96	Co et al.	424	133.1	
	AB	5,585,089	12/17/96	Queen et al.	424	133.1	
	AC	5,622,701	04/22/97	Berg	424	153.1	
	AD	5,624,821	04/29/97	Winter et al.	435	69.6	
	AE	5,648,260	07/15/97	Winter et al.	435	252.3	
	AF	5,693,762	12/02/97	Queen et al.	530	387.3	
	AG	5,869,050	02/09/99	de Boer et al.	424	156.1	
	AH	5,397,703	03/14/95	de Boer et al.	435	172.2	
MB	AI	5,747,034	05/05/98	de Boer et al.	424	137.1	
	AJ						
	AK						

JD542 U.S. PTO
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
ML	AL	94/01547	20-JAN-94	WO			
ML	AM	95/03408	02-FEB-95	WO			
ML	AN	98/19706	14-MAY-98	WO			
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ML	AR	Azuma, M. et al., "B70 antigen is a second ligand for CTLA-2 and CD28," Nature 366:76-79 (1993).
ML	AS	Berzofsky, J.A. and Berkower, I.J., "Antigen-Antibody Interaction," In Fundamental Immunology, W.E. Paul eds. (NY: Raven Press), pp. 595-644 (1984).
ML	AT	Chen, L. et al., "Costimulation of Antitumor Immunity by the B7 Counter receptor for the T Lymphocyte Molecules CD28 and CTLA-4," Cell 71:1093-1102 (1992).

EXAMINER

PHILIP GAMBER 2/21/00

DATE CONSIDERED

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
16	AU	Co, M.S. et al., "Chimeric and Humanized Antibodies with Specificity for the CD33 Antigen," <i>The J. of Immunology</i> 148(4):1149-1154 (1992).	
	AV	Cole, M.S. et al., "Human IgG2 Variants of Chimeric Anti-CD3 Are Nonmitogenic to T cells," <i>The J. of Immunology</i> 159:3613-3621 (1997).	
	AW	Daikh, D. et al., "The CD28-B7 costimulatory pathway and its role in autoimmune disease," <i>J. of Leukocyte Biol.</i> 62:156-162 (1997).	
	AX	Ellison, J. and Hood, J., "Linkage and sequence homology of two human immunoglobulin in γ heavy chain constant region genes," <i>Proc. Natl. Acad. Sci. USA</i> 79:1984-1988 (1982).	
	AY	Engel, P. et al., "The B7-2 (B70) Costimulatory Molecule Expressed by Monocytes and Activated B Lymphocytes Is the CD86 Differentiation antigen," <i>Blood</i> 84(5):1402-1407 (1994).	
	AZ	Fleischer, J. et al., "Differential expression and function of CD80 (B7-1) and CD86 (B7-2) on human peripheral blood monocytes," <i>Immunology</i> 89:592-598 (1996).	
	AR2	Fujihara, M. et al., "Decreased Inducible Expression of CD80 and CD86 in Human Monocytes After Ultraviolet-B Irradiation: Its Involvement in Inactivation of Allogeneicity," <i>Blood</i> 87(6):2386-2393 (1996).	
	AS2	Glaser, S.M. et al., "Dissection of the Combining Site in a Humanized Anti-Tac Antibody," <i>The J. of Immunology</i> 149(8): 2607-2614 (1992).	
	AT2	He, X.-Y. et al., "Humanization and Pharmacokinetics of a Monoclonal Antibody with Specificity for Both E- and P-Selectin," <i>The J. of Immunology</i> 160:1029-1035 (1998).	
	AU2	Jeannin, P. et al., "CD86 (B7-2) on Human B Cells," <i>The J. of Biol. Chemistry</i> 272(25):15613-15619 (1997).	
	AV2	Jefferis, R. and Lund, J., "Molecular characterization of IgG antibody effector sites," <i>Department of Immunol., The Medical School, EDgbaston, Birmingham</i> , pp.115-126.	
	AW2	Levitt, M. "Molecular Dynamics of Native Protein," <i>J. Mol. Biol.</i> 168:595-620 (1983).	
	AX2	Morrison, S.L. et al., "Complement activation and Fc receptor binding by IgG," In <i>Protein Engineering of Antibody Molecules for Prophylactic and Therapeutic Applications in Man</i> , M. Clark, eds. (England: Academic Titles), pp. 101-113 (1993).	
17	AY2	Ohki, O. et al., "Functional CD86 (B7-2/B70) is predominantly expressed on Langerhans cells in atopic dermatitis," <i>British J. of Dermatology</i> 136:838-845 (1997).	
EXAMINER PHILIP GAMBER 2/24/00		DATE CONSIDERED	

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mb	AZ2	Queen, C. et al., "A humanized antibody that binds to the interleukin 2 receptor," <i>Proc. Natl. Acad. Sci. USA</i> 86:1029-1033 (1989).	
	AR3	Reiser, H. and Schneeberger, E.E., "Expression and function of B7-1 and B7-2 in hapten-induced contact sensitivity," <i>Eur. J. Immunol.</i> 26:880-885 (1996).	
	AS3	Reiser, H. and Stadecker, M.J., "Costimulatory B7 Molecules in the Pathogenesis of Infection and Autoimmune Diseases," <i>Mechanisms of Disease</i> 335(18):1369-1377 (1996).	
	AT3	Rugtveit, J. et al., "Differential distribution of B7.1 (CD80) and B7.2 (CD86) costimulatory molecules on mucosal macrophage subsets in human inflammatory bowel disease (IBD)," <i>Clin. Exp. Immunol.</i> 110:104-113 (1997).	
	AU3	Shalaby, M.R. et al., "Development of Humanized Bispecific Antibodies Reactive with Cytotoxic Lymphocytes and Tumor Cells Overexpressing the HER2 Protooncogene," <i>J. Exp. Med.</i> 175:217-225 (1992).	
	AV3	Tempest, P.R. et al., "Reshaping A Human Monoclonal Antibody to Inhibit Human Respiratory Syncytial Virus Infection In Vivo," <i>Bio/Technology</i> 9:266-271 (1991).	
	AW3	Townsend, S.E. and Allison, J.P., "Tumor Rejection After Direct Costimulation of CD8 ⁺ T Cells by B7-Transfected Melanoma Cells," <i>Science</i> 259:368-369 (1993).	
	AX3	Yokozeki, H. et al., "Functional CD86 (B7-B70) on Cultured Human Langerhans Cells," <i>The Society for Investigative Dermatology, Inc.</i> 106:147-153 (1996).	
	AY3	Liu, Z-X., et al., "Increased Expression of Costimulatory Molecules on Peripheral Blood Monocytes in Patients With Crohn's Disease," <i>Scand J. Gastroenterol.</i> 32(12):1241-6 (1997).	
	AZ3	Lisa A. Damico, et al., "Pharmacokinetics of IV Administered Murine Anti-Human B7.1 and Murine Anti-Human B7.2 in Cynomolgus Monkeys" Abstract, 17th Annual Scientific Meeting, January 9, 1998.	
	AR4	Cromwell, M.A. and Goldman, S.J., Abstract: "The Human PBMC-Reconstituted Nod-Scid Mouse as model of Superantigen-Induced Human T Cell Activation," Experimental Biology 98 Meeting, April 22, 1998.	
mb	AS4	Bluestone, J.A., "Costimulation and its role in organ transplantation," <i>Clinical Transplantation</i> 10:104-109 (1996).	
EXAMINER		DATE CONSIDERED	
Philip Gamber 2/4/02			